

METHODS FOR IMPROVING CELL GROWTH AND ALCOHOL PRODUCTION DURING FERMENTATION

Abstract

5 The invention provides compositions and methods for increasing the production of alcohol, e.g., ethanol, from a saccharide source and increasing the growth of ethanologenic cells by exposing ethanologenic cells to a compound. Preferred alcohologenic cells (cells capable of fermenting a carbon source into an alcohol) are selected from the family Enterobacteriaceae, such as, for example, *Escherichia* or

10 *Klebsiella*. Furthermore, the methods and compositions of the invention are suitable for use in simultaneous saccharification and fermentation.

PCT/US2011/037650